

=> d hist

(FILE 'HOME' ENTERED AT 12:00:56 ON 18 APR 2000)

FILE 'MEDLINE, CAPLUS, CAOLD, BIOSIS' ENTERED AT 12:01:22 ON 18 APR 2000

L1 103123 S APOPTOSIS
L2 1756 S GLYCEROLIPID OR GLEROGLYCOLIPID
L3 13 S L1 AND L2
L4 32404 S TEA
L5 1 S L4 AND L2
L6 6 DUPLICATE REMOVE L3 (7 DUPLICATES REMOVED)
L7 50 S L2 AND (SEPARATION OR EXTRACT)
L8 33 DUPLICATE REMOVE L7 (17 DUPLICATES REMOVED)

=> s l4 and lipid?

L9 889 L4 AND LIPID?

=> s l9 and glyco?

L10 48 L9 AND GLYCO?

=> s l10 and glycer?

L11 13 L10 AND GLYCER?

| <u>DB Name</u> | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> |
|----------------|---------------------|------------------|-----------------|
| ALL | l29 and lipd | 1 | <u>L31</u> |
| ALL | l9 and lipid | 1 | <u>L30</u> |
| ALL | l26 and glycer\$ | 204 | <u>L29</u> |
| ALL | l26 and l2 | 0 | <u>L28</u> |
| ALL | l26 and l1 | 0 | <u>L27</u> |
| ALL | nutritional.clm. | 776 | <u>L26</u> |
| ALL | l24 and l1 | 11 | <u>L25</u> |
| ALL | nutrition\$ | 24770 | <u>L24</u> |
| ALL | l22 and l1 | 25 | <u>L23</u> |
| ALL | food or beverage | 340008 | <u>L22</u> |
| ALL | | 41 | <u>L21</u> |
| ALL | l1 and plant\$ | 41 | <u>L20</u> |
| ALL | l3 and l1 | 5 | <u>L19</u> |
| ALL | l1 and 514/\$.ccls. | 36 | <u>L18</u> |
| ALL | glycerolipid.ti. | 3 | <u>L17</u> |
| JPAB | 08169891 | 1 | <u>L16</u> |
| JPAB | 07149786 | 1 | <u>L15</u> |
| JPAB | 7149786 | 0 | <u>L14</u> |
| JPAB | 60019716 | 1 | <u>L13</u> |
| ALL | | 17 | <u>L12</u> |
| ALL | | 14 | <u>L11</u> |
| ALL | l5 and glycer\$ | 14 | <u>L10</u> |
| ALL | l5 and glycolipid | 1 | <u>L9</u> |
| ALL | l5 and l2 | 0 | <u>L8</u> |
| ALL | l5 and l1 | 0 | <u>L7</u> |
| ALL | l5 and l1 and l2 | 0 | <u>L6</u> |
| ALL | l3 and l4 | 44 | <u>L5</u> |
| ALL | tea | 29110 | <u>L4</u> |
| ALL | apoptosis | 3025 | <u>L3</u> |
| ALL | glyceroglycolipid | 90 | <u>L2</u> |
| ALL | glycerolipid | 115 | <u>L1</u> |

L3 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1989:601600 CAPLUS

DOCUMENT NUMBER: 111:201600

TITLE: Preparation of docosa-hexaenoyldiacylglycerol as
anticancer agent from fish eggs

INVENTOR(S): Hibino, Hidehiko; Fukuda, Nobuo; Nakachi, Osamu;
Sakurai, Shigeru; Asahi, Kenichi; Takahashi, Nobutaka

PATENT ASSIGNEE(S): Nippon Oils and Fats Co., Ltd., Japan; Institute of
Physical and Chemical Research

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------|------|----------|-----------------|----------|
| JP 01160988 | A2 | 19890623 | JP 1987-318616 | 19871218 |
| JP 07062020 | B4 | 19950705 | | |

AB The title compd. (I), useful as an **anticancer** agent, was prepd.
from phosphatidylcholine extd. from fish egg. Acetone extn. of rainbow
trout homogenate gave an ext., which was further extd. with Et2O,
followed
by CHCl3-MeOH extn. Purifn. of the resulting ext. by silica gel
chromatog. gave crude phosphatidylcholine. Liq. chromatog. purifn. of
the
latter gave pure phosphatidylcholine, which was hydrolyzed by
phospholipase C to give I. In an in vitro test using leukemic cells, I
at
50 .mu.g/mL showed an 80% differentiation rate.